

**METHOD AND APPARATUS OF MULTIPLEXING A PLURALITY OF
CHANNELS IN A MULTIMEDIA SYSTEM**

ABSTRACT OF THE DISCLOSURE

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A method and apparatus for multiplexing a plurality of channels within a multimedia system includes processing that begins by receiving a plurality of channels from a multimedia source. The processing then continues by 10 receiving a plurality of channel selection commands from client modules. The processing continues by selecting a channel of the plurality of channels for each of the channel selection commands to produce selected channels. As such, for each channel selection command, a 15 corresponding channel is selected from the plurality of channels. The processing continues by encoding the selected channels based on a data conveyance protocol (e.g., encoding scheme and/or modulation scheme). The encoded channel data is then conveyed to a plurality of 20 clients.